

FIG. 1

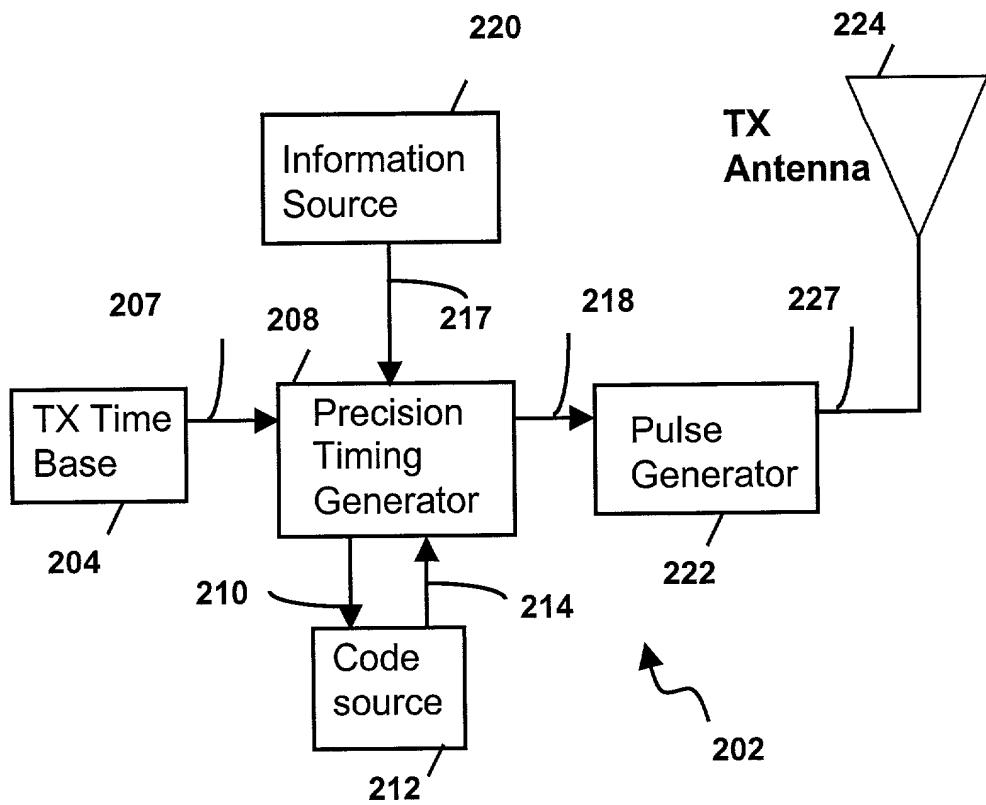


FIG. 2

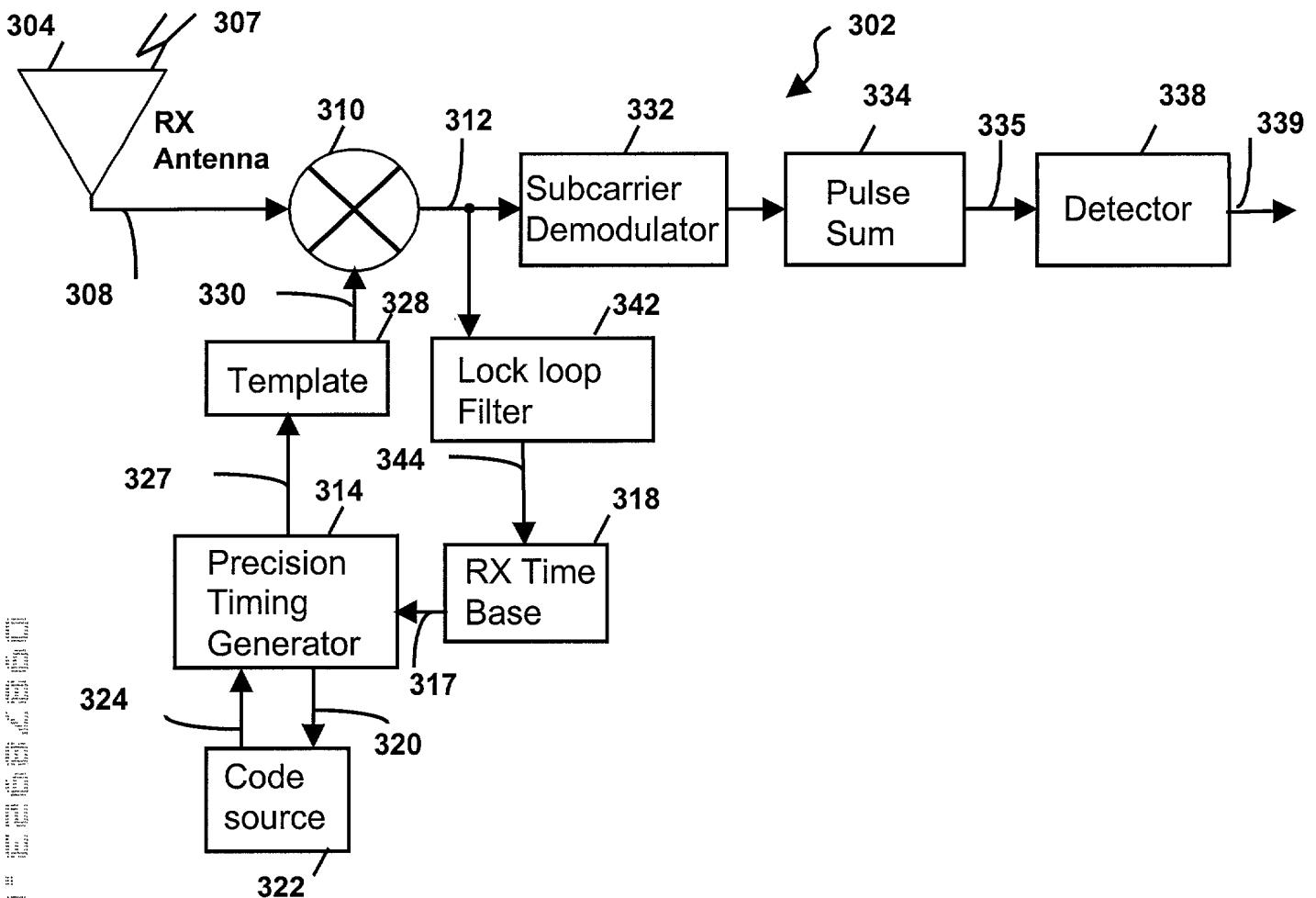


FIG. 3

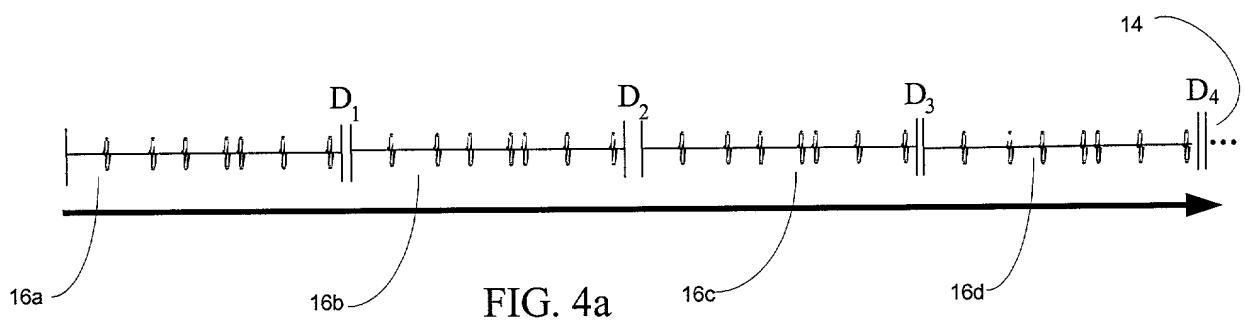
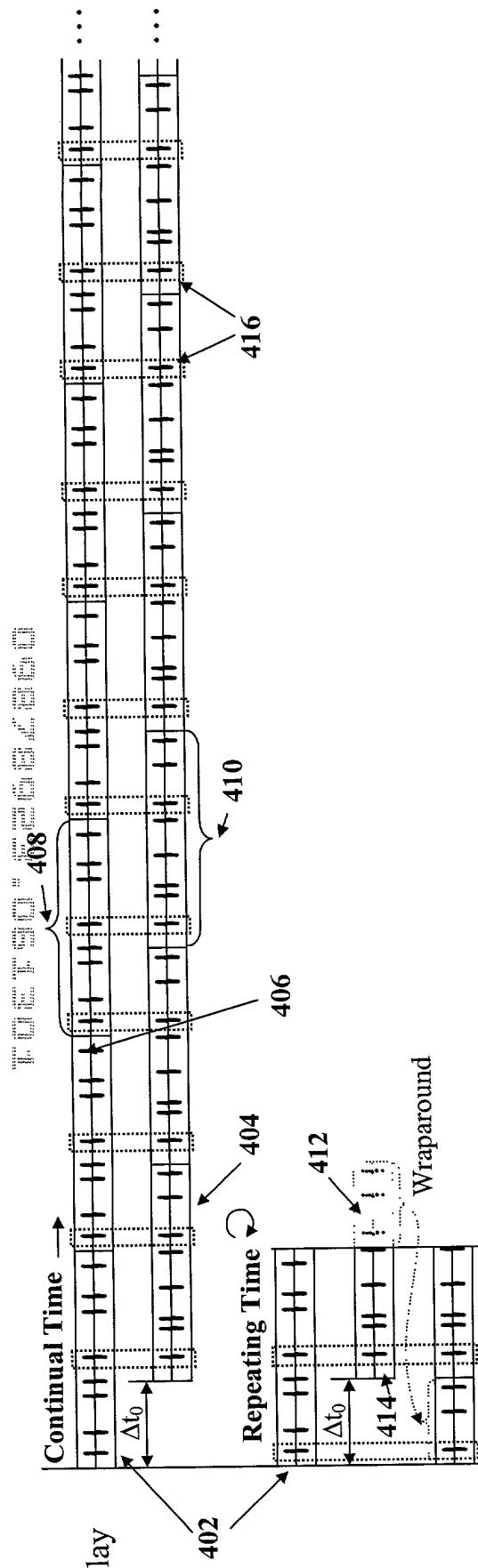


FIG. 4a

Example 1:  
Without Delay  
Code



Example 2:  
With Delay  
Code

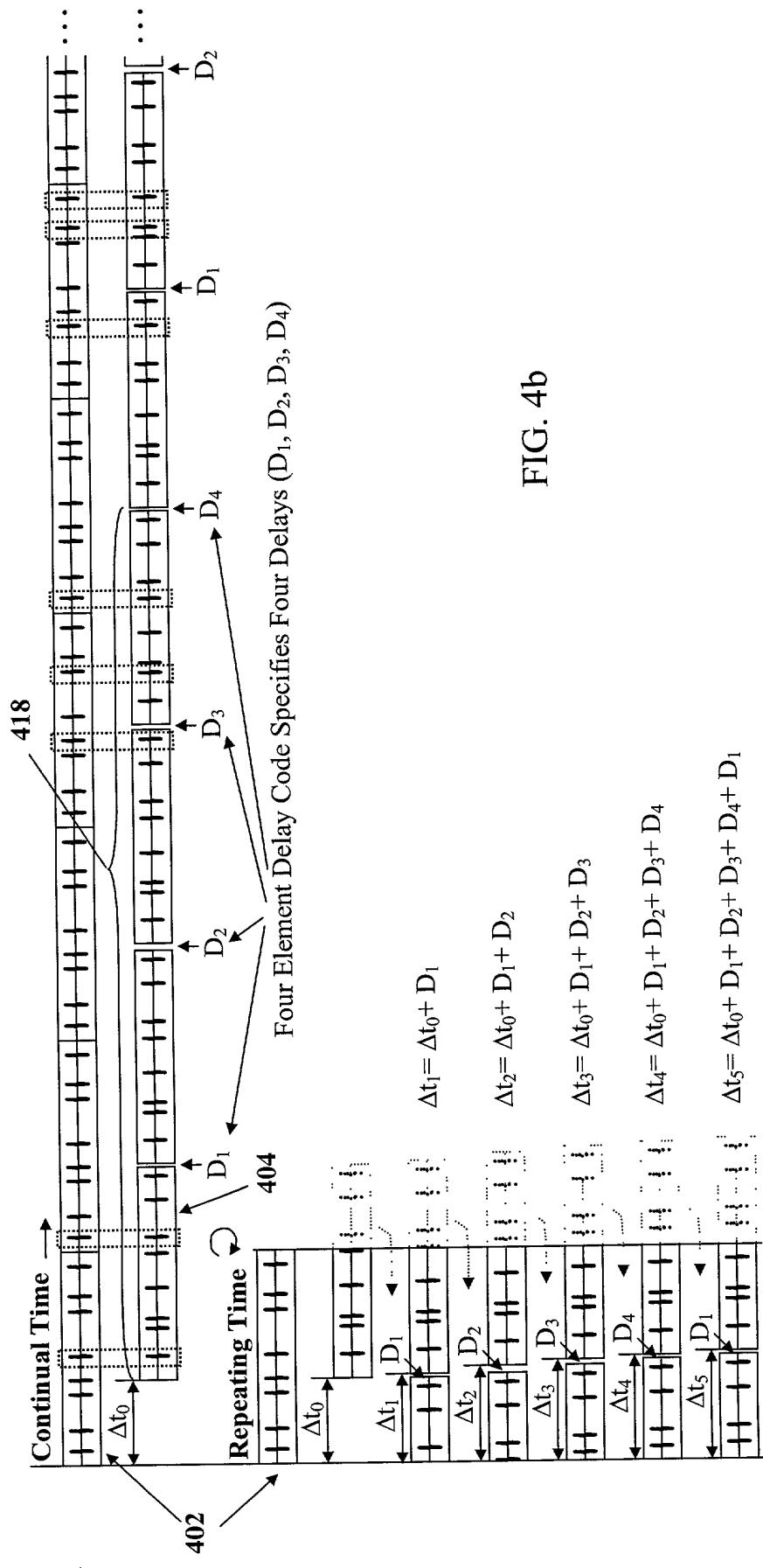
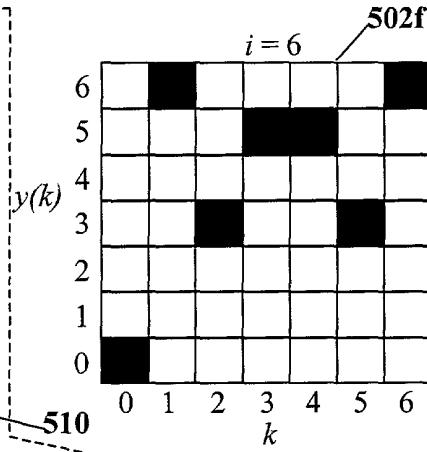
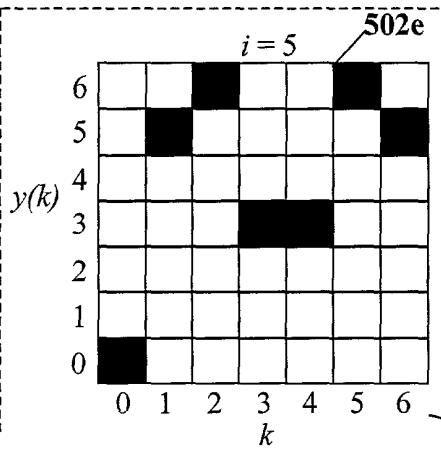
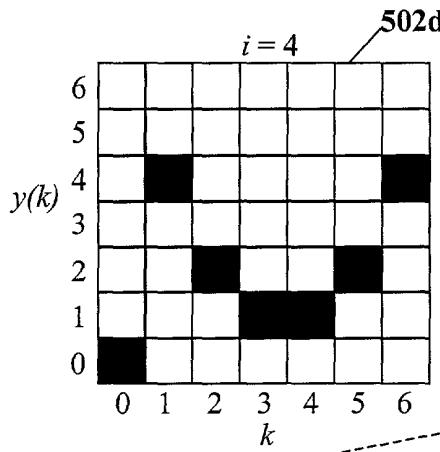
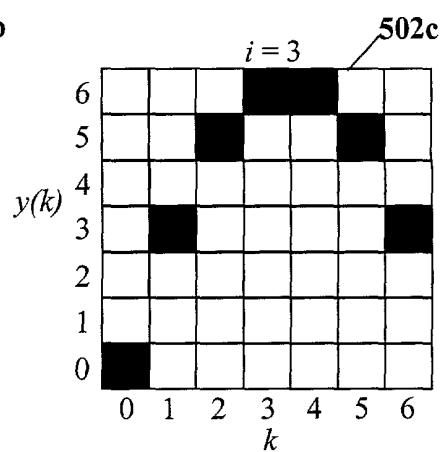
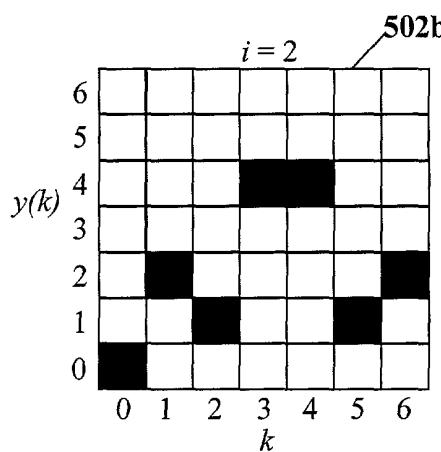
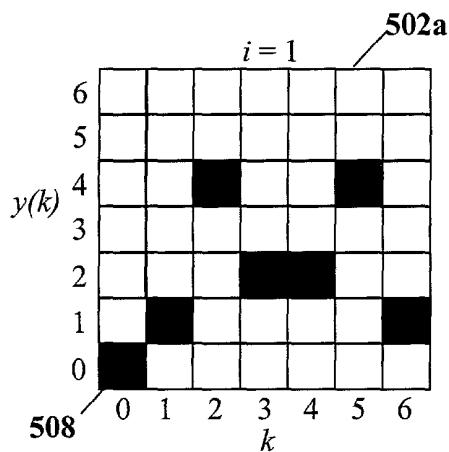


FIG. 4b

### Quadratic Congruential Codes

$$y(k) = i k^2 \bmod 7$$

506



**Code for 5<sup>th</sup> Channel ( $i = 5$ ) Mapped to Time Period Layout  
Consisting of 7 Frames Subdivided into 7 Sub-frames**

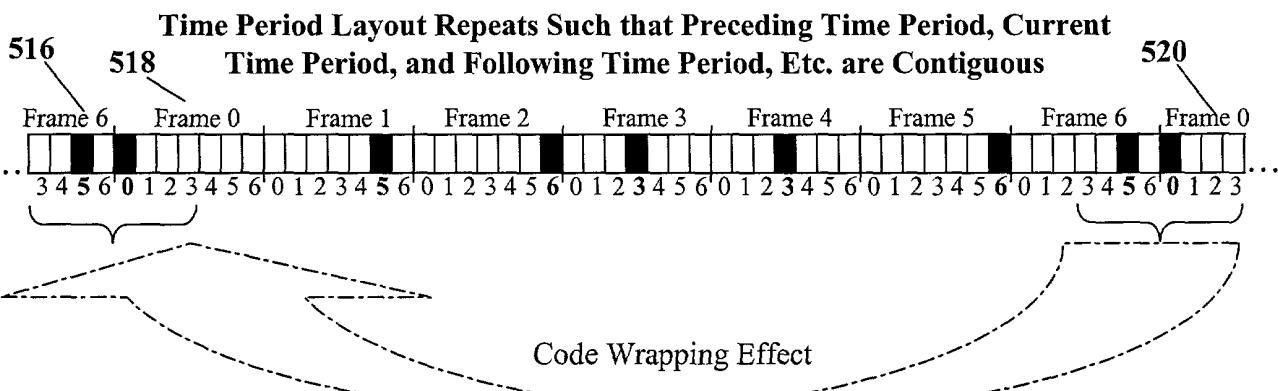
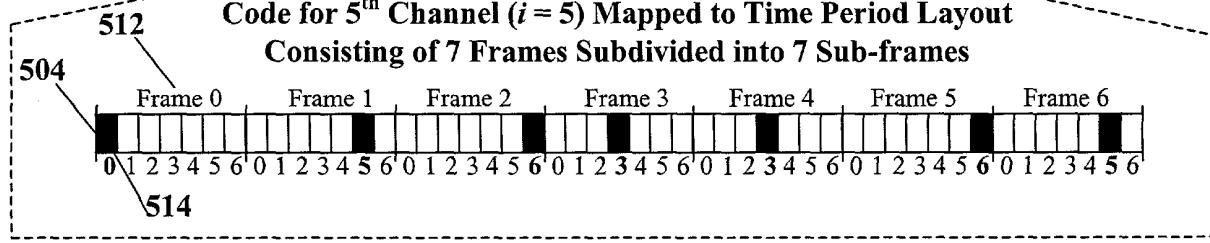


FIG. 5

Cross-correlation of 5<sup>th</sup> and 6<sup>th</sup> Codes (Time Offsets in 1 Subframe Increments)

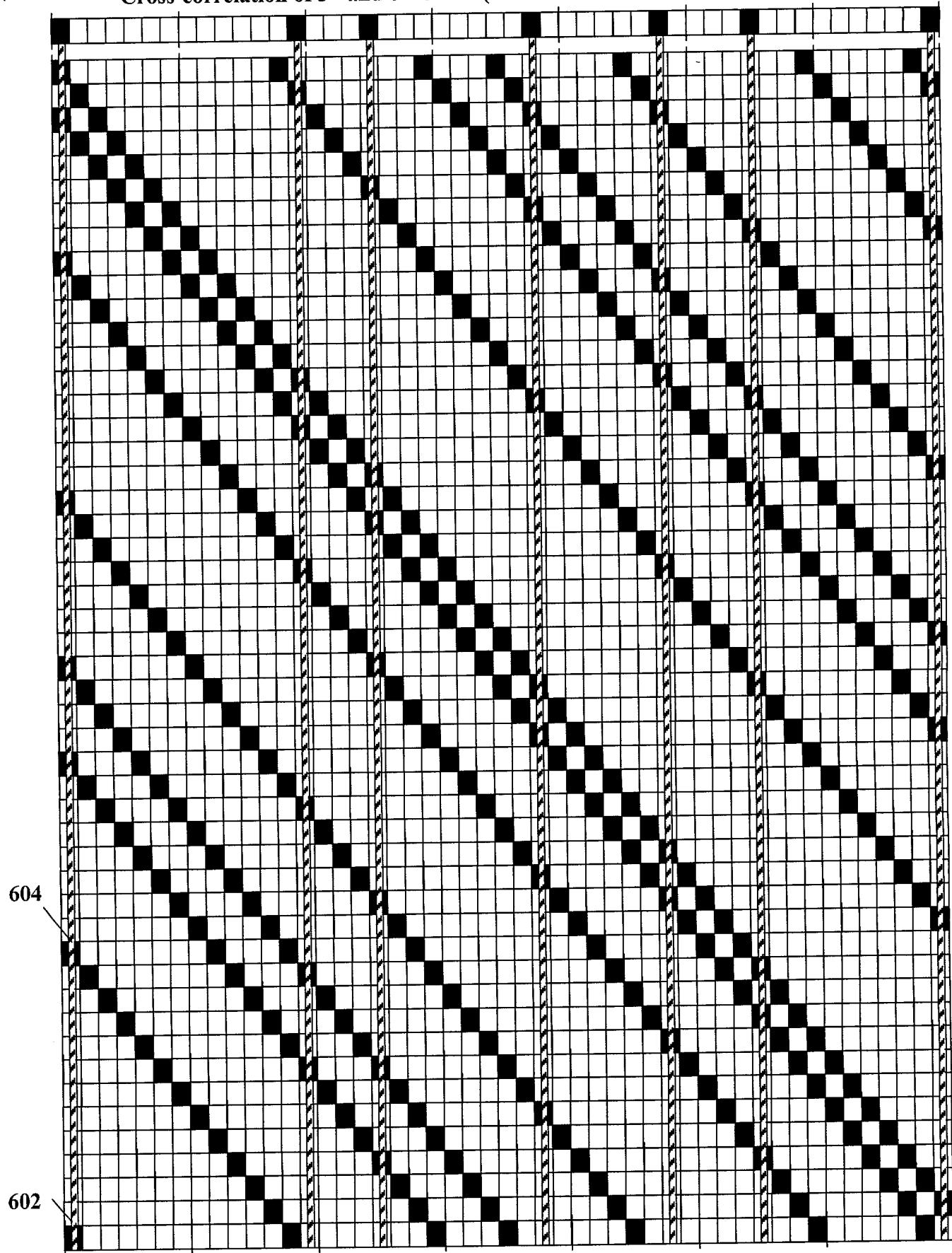


FIG. 6

### Cross-correlation of 5th and 6th Codes

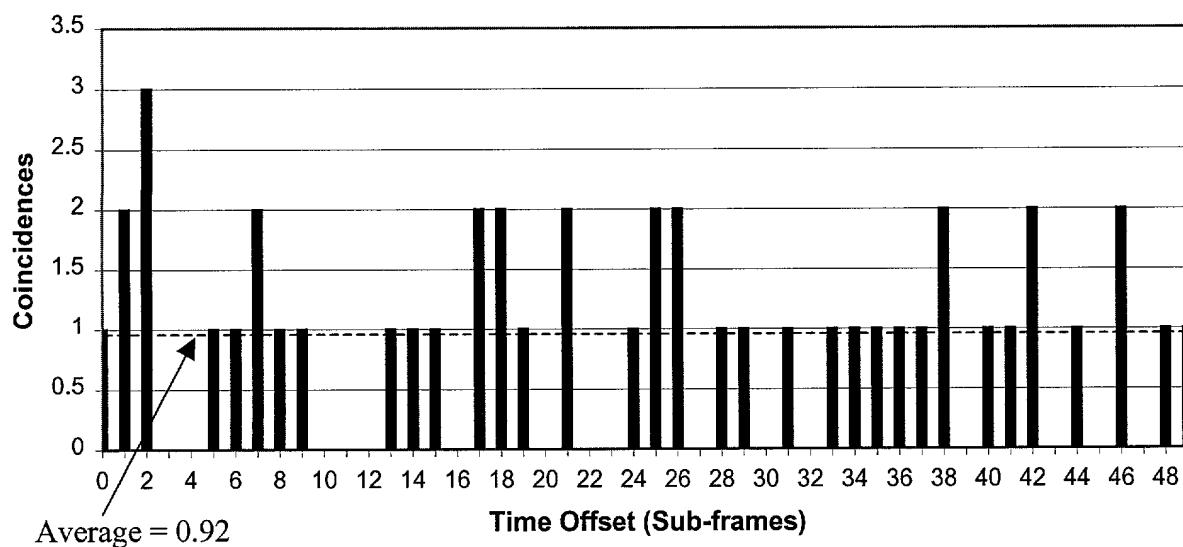


FIG. 7

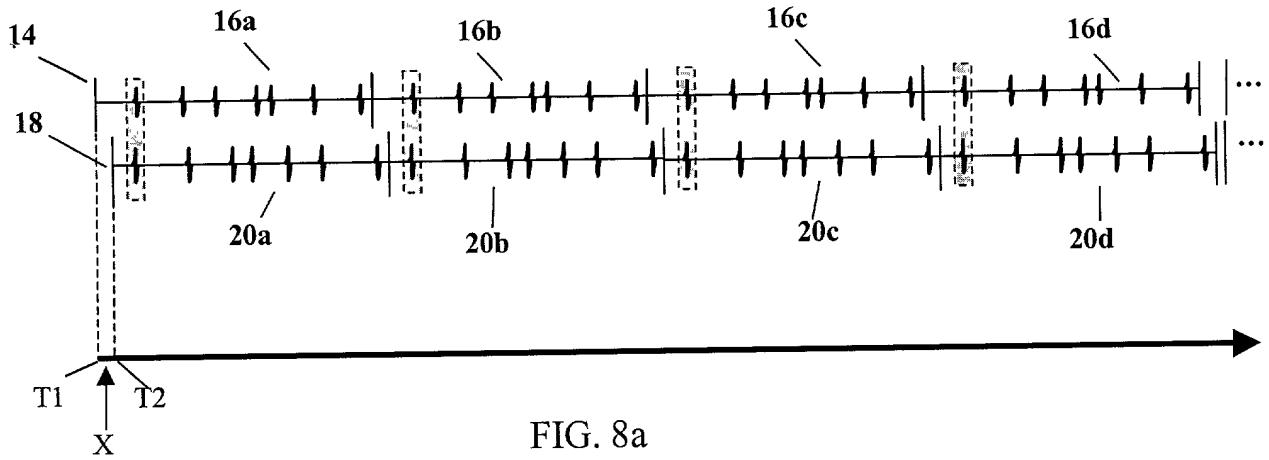


FIG. 8a

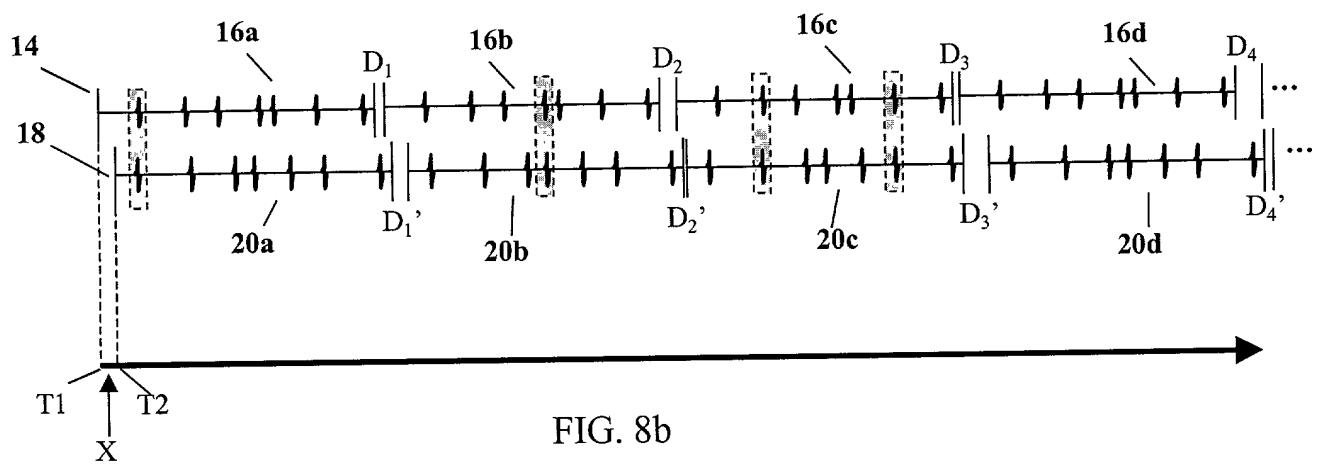


FIG. 8b

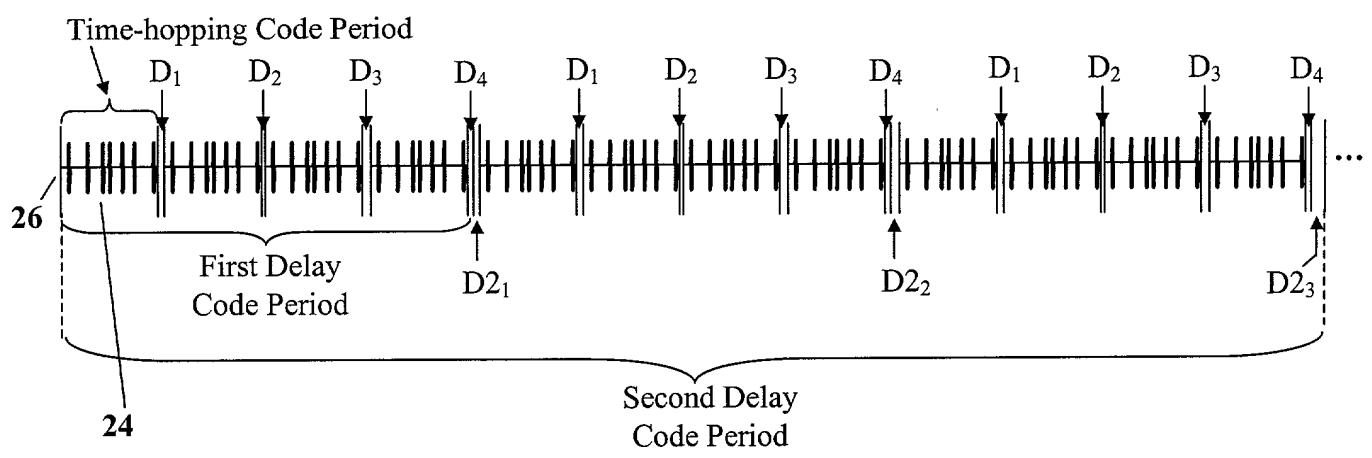


FIG. 9

FIG. 10

